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TITLE : PLATE FIN TYPE HEAT EXCHANGER AND METHOD FOR MANUFACTURING THE
SAME, AND BLAZING FILLER METAL

ABSTRACT : PROBLEM TO BE SOLVED: To provide light-weight and miniaturizable plate fin type heat
exchanger which adopts titanium material as a measure against stress corrosion crack,
having sufficient junction strength, high stress corrosion crack resistance, no problem for
peeling, fluid leakage and so on, and easy for manufacturing.

SOLUTION: Blazing foil which is composed of 10-30 wt.% Cu and 10-30 wt.% Ni, is most
appropriate for manufacturing the plate fin type heat exchanger which is mainly composed
of laminated material, having the same corrosion resistance and strength with mother
metal.

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